

SDT1812-0 Control Tray Cable

(UL)TC-ER 600V



PRODUCT DATA SHEET

TC-ER cable is suitable for use in exposed runs and features a sunlight-resistant TPE jacket and PVC/Nylon insulation. It also has approval for use in Class I, Division II industrial hazardous locations per NEC.

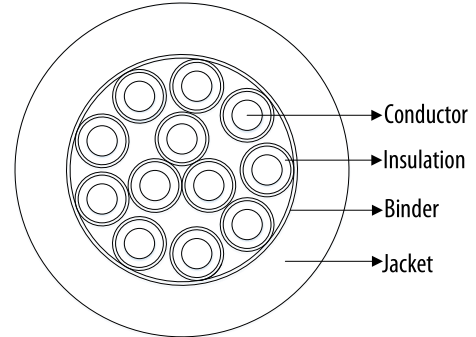
Design Number 10712
Part Number N/A
Customer Number N/A

CONSTRUCTION

Conductor: Stranded annealed bare copper
Conductor Size: 18AWG, 16 Strands
Insulation Material: Polyvinyl Chloride/Nylon
Insulation Thickness: 0.015"/0.005" (Nom.)
Insulation Diameter: 0.086" (Nom.)
Lay Length: 5.25" LHL
Fillers: Fibrillated Flame Retardant - As needed for a circular cross section
Binder: Tissue - 100% Coverage
Jacket Material: TPE
Jacket Thickness: 0.045" (Nom.)
Overall Diameter: 0.451" (Nom.)
Jacket Color: Black

Print Legend (Footage Markers):

ASCENT E478019-LU 18AWG 12C (UL) TC-ER PVC/NYLON 600V 90C DRY/WET
 SUN RES DIR BUR FT4 "ROHS COMPLIANT" MADE IN USA



Color Code: Black, Red, Blue, Orange, Yellow, Brown, Red/Black, Blue/Black, Orange/Black, Yellow/Black, Brown/Black, Black/Red

ELECTRICAL CHARACTERISTICS

Operating Temperature (°C): 90°C
Operating Voltage: UL 600V
Weight: 140 Lbs./Mft.

SAFETY CHARACTERISTICS

UL listed as Type TC-ER per UL Standard 1277 for Tray Cables
 UL approved for Direct Burial and Sunlight Resistant applications
 Cable meets UL 1581 & 1202(FT-4) 70,000 BTU/HR
 ICEA T-29-520 210,000 BTU/HR requirements
 Meets ICEA S-73-532, where applicable
 Refer to NEC (NFPA 70) article 336 for installation guidelines
REACH: Regulation (EC) No 1907/2006(224) Updated Jan.17, 2022

Application: Suitable for use in free air, raceways, or direct burial applications, and in wet or dry conditions

All trademarks are property of their respective owners. All specifications are subject to change.

Revision History		
00	2023/02/08	Initial Release
01	2023/02/24	Jacket material is updated from PVC to TPE
Created L. Jian		Approved A. Huang

Milwaukee | 5001 South Towne Dr. New Berlin, WI 53151, USA
Frankfurt | Rudolf-Braas-Strasse 2, D-61381 Friedrichsdorf, Germany
Luton | Unit 11, Humphrys Road, Woodside Industrial Estate, Dunstable, LU5 4TP, UK
Suzhou | B2-2 Weiting Industrial - Workshop A, No. 9 Weixin Road, Suzhou Industrial Park, China

